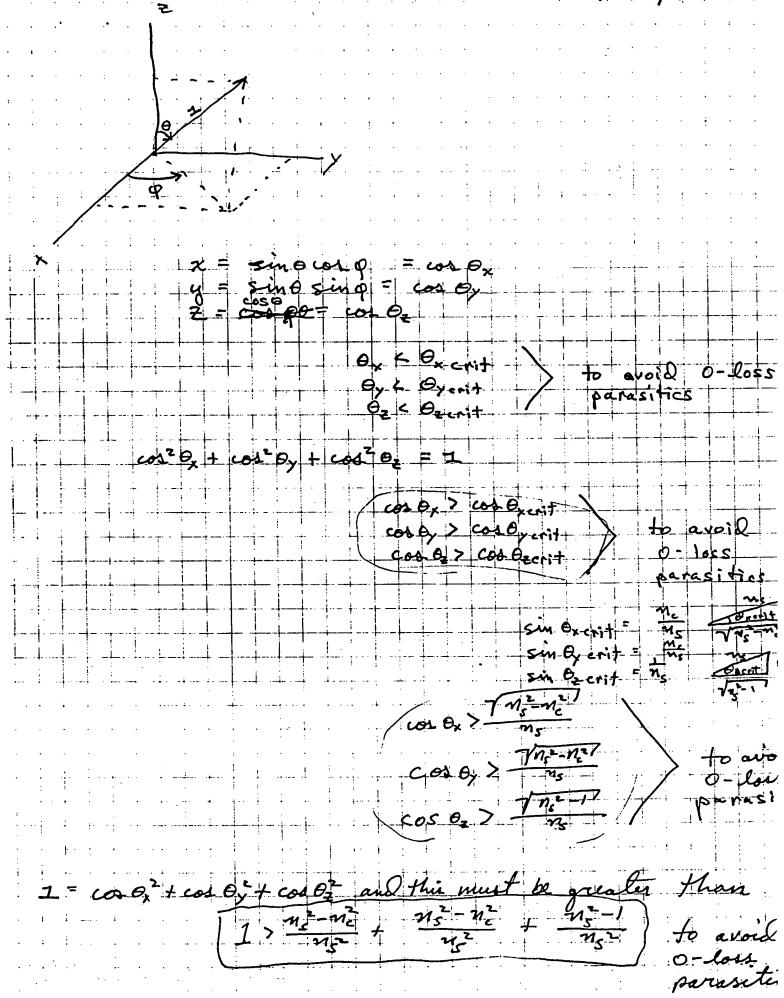
ASE 2 Parasitics ATTACHMENT ficture a par position its any @ calculate reflection of 3 sets of orthogonal plan

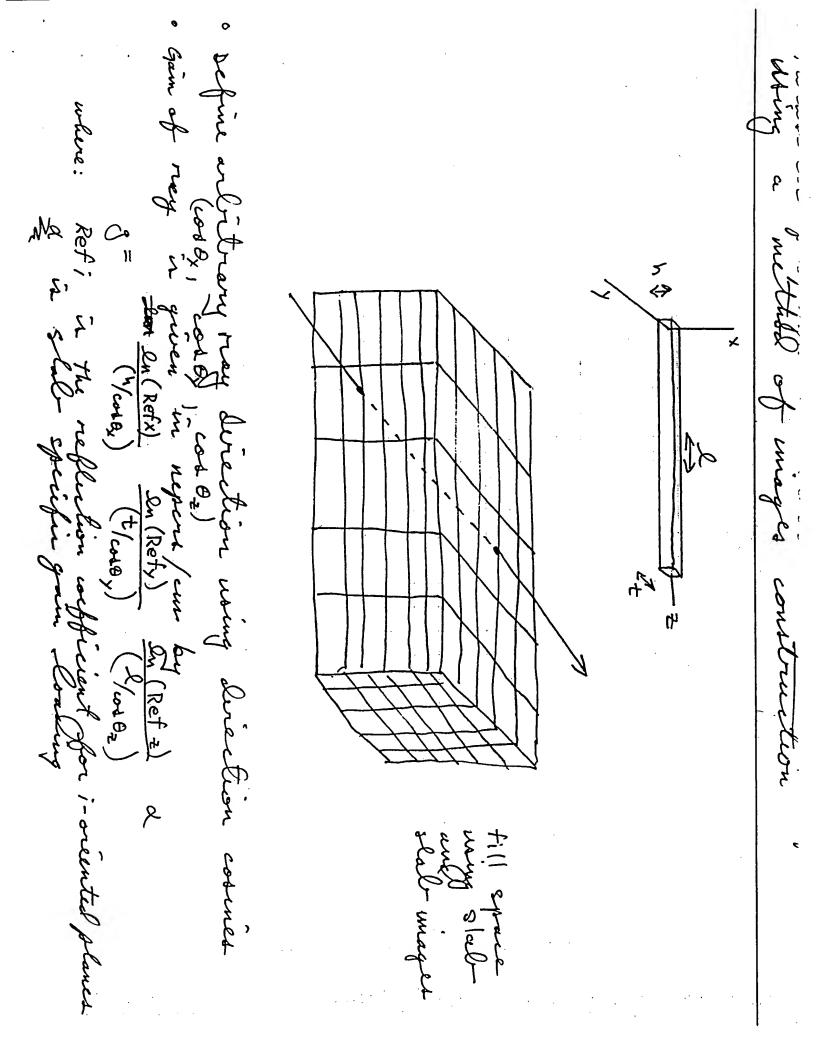
@ calculate travel Perstaure Vetereen encessor

with a loss of musical planes Fratment use direction cosines to parameterine vay livertin (cos 0x, cosoy, coso) = (RND] + RNDZ + RNDZ + RNDZ -Let DX, Dy, and DZ denote slab dimensione or plane spacing. From the point of view at locan't mother what position a ray is launch position has no impact on sparing between plan stikes ment contr en surface pertierbatively. Now work with direction cosines COL Pez = Trs-nz

43-1+2ns -2nc = 75 $a\left(n_s^2-n_e^2\right)=1$ ms-mo= 1 when can this no longer be solved Mc = VN3 - 2 $m_c = \sqrt{18z^2 - \frac{1}{2}} = 16.77$ for ne > 1.677 no zero lossi
parasitiis exist Colo: Stab ASE OZ. XCL Question z will be carried to answer numericallys Binding the angular wilth over which a partisitive lexists for given gain and classify in view. en de farancia de la capación de la capación de la capación de la capación de la lamenta de la capación de la ca for high first transfer of the control of the control of the first transfer of the first f en entre la companya en la celebra de la general el vertiran en esperanta en la transferación de la companya e



no in stab melex $\frac{1}{1} > \frac{3 m_s^2 - \lambda m_e^2 - 1}{m_s^2}$ $m_s^2 > 3 m_s^2 - 2 m_e^2 - 1$ 1> a (ns - ne) 1/2 > ns - ne ne > ns - = = 7/1.822- ± = 1.672 ne > / n= - 2



zer- loss parasities correspond directions that are confined by TIR at planes wd Bx c cod Bxcrit = costby < costby-cost= to those ray Mr-202 ns = slab indi

1= cofex + cofex + cofex condition Cot 02 < Cot 02-mit = by by n = coating

MC < 7 1/2 - 1/2

Mc>7 M2 -1